

**PATENT ABSTRACTS OF JAPAN**(11)Publication number : **62-231787**(43)Date of publication of application : **12.10.1987**

(51)Int.Cl.

**B41M 5/00****C09D 11/00****C09D 11/00**(21)Application number : **61-072467**(71)Applicant : **TORAY IND INC**(22)Date of filing : **01.04.1986**(72)Inventor : **KUWABARA KOJI  
HANDA NOBUYOSHI  
MASUDA YUTAKA****(54) INK JET PRINTING METHOD****(57)Abstract:**

**PURPOSE:** To ensure that an excellent anti-blurring property, sharp patterns and color patterns with excellent uniformity can be obtained, by incorporating a crosslinking agent for a polyester or polyamide component into an ink or a material to be recorded, and effecting crosslinking on the material to be recorded.

**CONSTITUTION:** In this ink jet printing method, an ink comprising a pigment and a water-soluble or water-dispersible polyester or polyamide component is used, a crosslinking agent for the polyester or polyamide component is incorporated in the ink or in a material to be recorded, and crosslinking is effected on the material to be recorded. The water-soluble or water-dispersible polyester or polyamide is anionic, and the material to be recorded is pretreated with a metallic salt and/or a cationic compound. Generally, an acrylic polymer or a synthetic rubber latex is mainly used as a binder for pigment printing. In this method, a water-soluble or water-dispersible polyester ordinarily used as a hardener for obtaining a desired feeling is used, and is crosslinked by the crosslinking agent to provide a film having a high durability, thereby obtaining a printed article with excellent color fastness.

**LEGAL STATUS**

[Date of request for examination]

[Date of sending the examiner's decision  
of rejection][Kind of final disposal of application  
other than the examiner's decision of  
rejection or application converted  
registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's  
decision of rejection]

[Date of requesting appeal against  
examiner's decision of rejection]

[Date of extinction of right]

Copyright (C); 1998,2003 Japan Patent Office